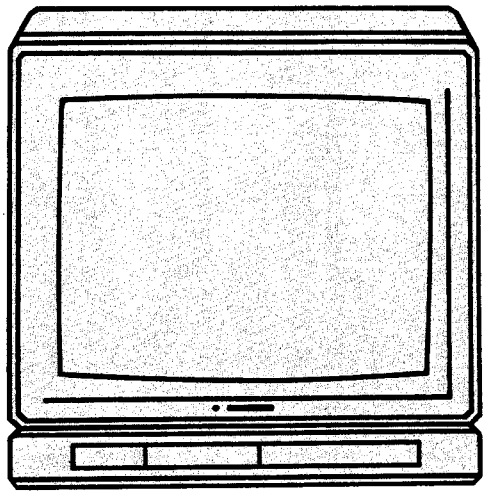
BLAUPUNKT

TV

PS 55 – 28



Operating Instructions

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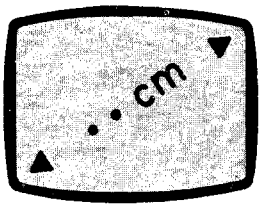
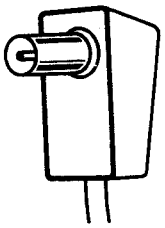
Setting up and connecting





When **setting up** your TV set, please make sure that no bright light or sunshine falls on the screen, as this may result in pale colors and a loss of brilliance in the picture.

Please make sure that air circulation for cooling the set will not be impeded. Do not place the set next to a radiator and ascertain that the air vents on the rear are not covered.
If you wish to install your set into a **cabinet,** please refer to the instructions on page 24.

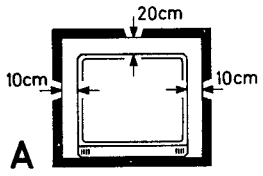
When deciding where to place the TV set, please keep in mind that the **viewing distance** is important for a good picture perception and eye comfort. It should be neither too large nor too small. The ideal viewing distance depends on the size of the screen measured between two opposing corners (diagonal); see illustration above. The ideal viewing distance is calculated as follows:
screen diagonal multiplied by five.

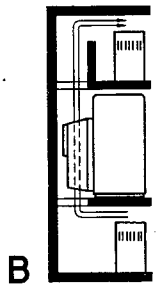
The set is **connected** to the **antenna** via the antenna jack on the rear.
The antenna cable must be equipped with a DIN plug (DIN 45325).

If you wish to connect a video recorder fitted with an RF section to this TV set, the antenna must be connected to the antenna input of the video recorder and the TV set to the antenna output of the video recorder.

For mains connection, plug the cable into a **220 V/socket.**
This set may be operated at a voltage ranging from 185 to 270 V.

Installing the TV set into a cabinet





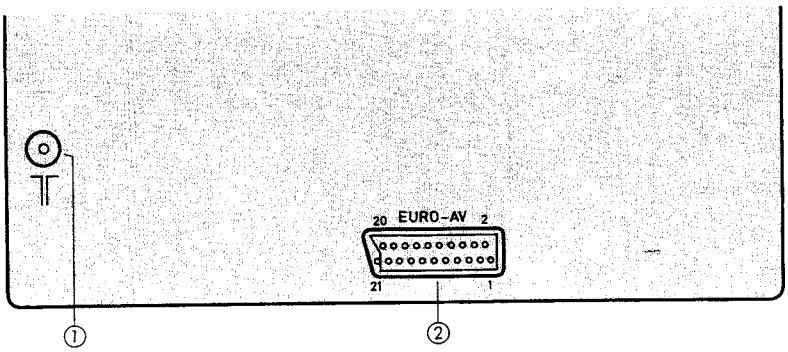
If you wish to install your TV set in a cabinet, please make sure that there is sufficient **ventilation** for cooling the set.
Extremely high temperatures may shorten the life of the set, reduce operating safety and cause color defects.
The measurements given below therefore have to be regarded as absolute minimum measurements.

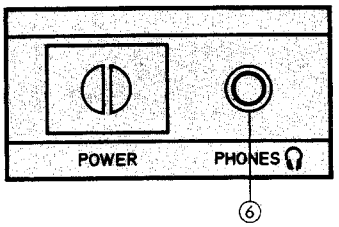
Example A:
The set touches the back wall of the cabinet.

In order to ensure sufficient ventilation, the following minimum distances must be observed at the sides and on the top (fig. A):

Example B:
If all the distances to the cabinet walls are too short (approx. 1 cm), cut off the rear parts of the board on which the set sits and the board above (fig. B), allowing the air from the upper and lower shelves to circulate behind the set.

Connectors





① Antenna jack

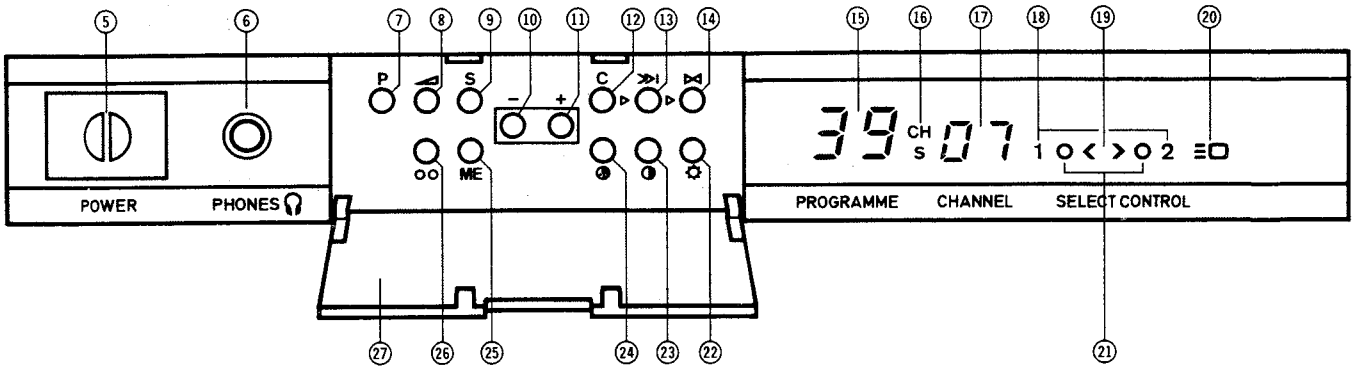
② **Euro-AV** jack – Inputs/outputs for audio and video signals (e.g., video recorder), inputs for RGB signals (e.g., computer or Vtx decoder), outputs for audio signals (e.g., tape deck or stereo system)

Terminals:

1 = output audio signal, right channel
2 = input audio signal, right channel
3 = output audio signal, left channel
4 = ground
5 = ground, blue
6 = input audio signal, left channel
7 = input, blue
8 = input for switching voltage (12 V during playback, otherwise 0 V)
9 = ground, green
10 = no connection
11 = input, green
12 = no connection
13 = ground, red
14 = no connection
15 = input, red
16 = input, blanking
17 = ground, video
18 = ground, blanking
19 = output, video signal
20 = input, video signal and input sync. signal in RGB mode
21 = ground, plug

⑥ 🎧 – Connection for headphones (impedance 4...300 Ω)

Operating elements and indicators of the set



⑤ Button ⏻ – Mains switch

⑥ Jack 🎧 – Connection for headphones (Impedance 4 . . . 300 Ohms)

⑦ Preset Button **P** – This button for switching to a different **program site.**

⑧ Preset Button ◢◻ – Volume

⑨ Preset Button **S** – No function, ready for future expansions of functions

⑩ Button – – Alters preset functions

⑪ Button + – Alters preset functions

⑫ Preset Button **C** – For switching to **channel entry** mode.

⑬ Button ⋙I – Channel search

⑭ Preset Button ⋈ – Fine tuning

⑮ Display – Program (memory) site

⑯ Display **CH** or **S** – **CH** for channel, **S** for special channel

⑰ Display – Channel and variation of color intensity, brightness, contrast, volume, trebles basses, balance or fine tuning

⑱ Indicator **1** or **2** – Two-channel sound

⑲ Indicator <> – Basic width is extended in stereo mode, stereophonic sound in mono mode

⑳ Display ≡▭ – Vtx operation (only works when a Vtx decoder is built into the set)

㉑ Indicator ○○ – Stereo sound

㉒ Preset Button ☼ – Brightness

㉓ Preset Button ◑ – Contrast

㉔ Preset Button ◉ – Color intensity

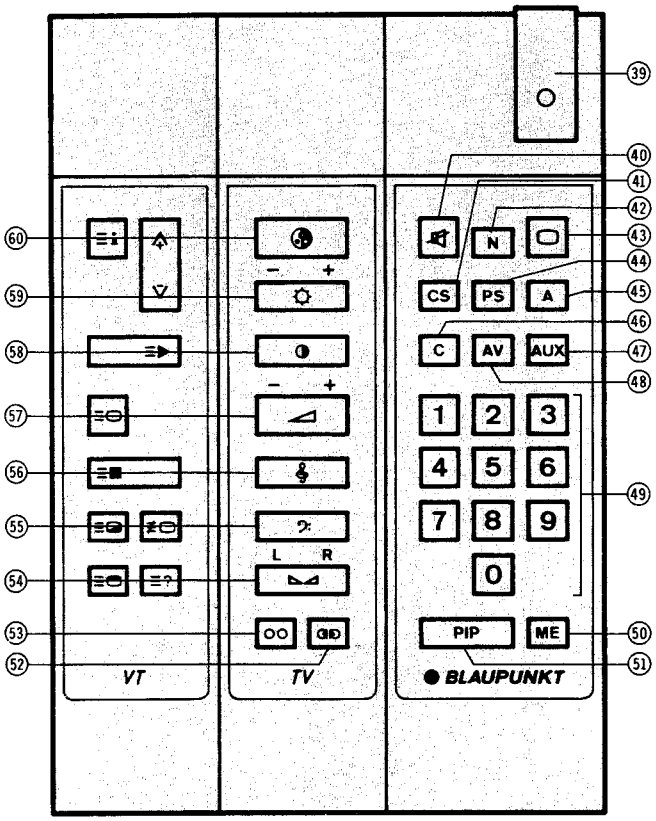
㉕ Button **ME** – Memory button, for storing channel programming, fine tuning

㉖ Button ○○ – During programs broadcast in two-channel sound, this button switches from **channel 1** to **channel 2** and vice-versa

㉗ Cover

The "preset" buttons only determine which setting is to be altered; the adjustment itself is made by pressing button + ⑪ or – ⑩.

Operating elements of the remote control



㊴ Button ○ – for switching off the **TV set (stand-by)**

㊵ Button – for switching off the sound transmitted by the speaker.
The headphone volume may still be adjusted.

㊶ Button **CS** – for activating the station finder.
The **channels** 0 – 99 and special channels S1, S2, S3 etc.
are scanned, and the set stops when a station has been found.

㊷ Button **N** – for activating stored **individual standard values**
(volume, color saturation, brightness, contrast, bass and balance)

㊸ Button – **for switching the TV set to TV mode, e.g. from teletext mode.**

㊹ Button **PS** – for activating program search.

㊺ Button **A** – for superimposing the text from memory when a teletext decoder with 6-page memory is plugged in.

㊻ Button **C** – for activating **direct channel entry**

㊼ Button **AUX** – new standard values for picture and sound, sleep timer function.

㊽ Button **AV** – preset button, for switching to the **program sites AV0, AV1, AV2**

㊾ Button **1 – 0** – for direct channel entry, for selecting program sites, and for switching the TV set on from stand-by

㊿ Button **ME** – for **storing** channels and

(51) Button **PIP** – no function

(52) Button – base extension in stereo mode,
stereophonic sound in mono mode

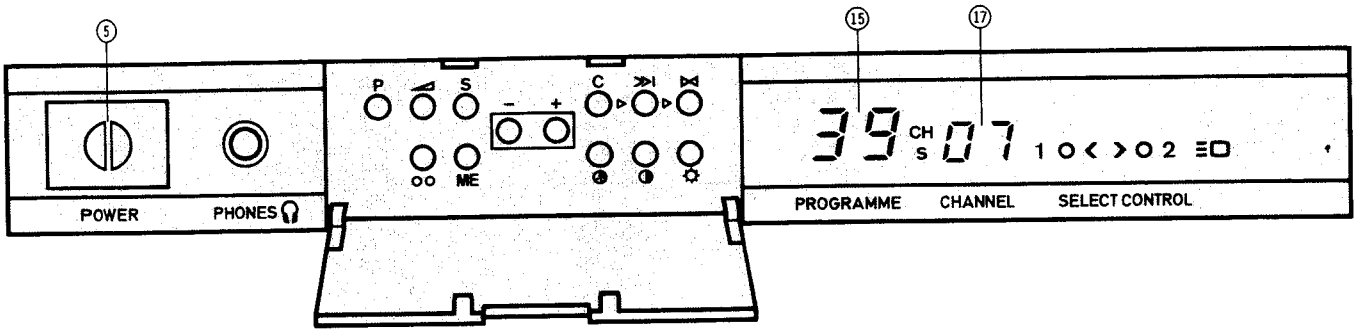
(53) Button ○○ – for switching from **sound channel 1** to **sound channel 2** and vice versa during reception of programs broadcast in 2-channel sound

(54) Button – balance
L = left channel louder
R = right channel louder

(55) Button – bass
(56) Button – treble
(57) Button – volume
(58) Button – contrast
(59) Button – brightness
(60) Button – color saturation

– = less
+ = more

Operating the most important functions on the remote control



For this purpose stations have to be stored in the TV set. If no stations have been stored yet, please refer to "Programming of TV stations". See two pages down.

For **switching the TV set on,** press the On/Off switch ⏻ ⑤. In the display ⑮ the figure 1 appears, i.e. the TV station which is stored on program site 1.

Display ⑰ indicates the channel which is stored on program site 1.

Normally the On/Off ⏻ ⑤ switch always **remains pressed in,** enabling you to **switch** the TV set **on and off** with the **remote control.**

Switch the set off by pressing button ○ ㊴, switch the set on by pressing one of the digital buttons ㊾.

Please remember that the set will switch off automatically 10 minutes after broadcasting has ended.

If you do not intend to use your TV set for a longer period (e.g., on vacation), you should switch it off by pressing the On/Off switch ⏻ ⑤.

The set is equipped with **57 program sites for TV stations** and **3 program sites for video recorders** (AV0, AV1, AV2).

You **select a station** by entering, via the digital buttons ㊾, the number of the program site on which the station is stored.

For all program sites from **1–9**, press the corresponding digital button **1–9.**

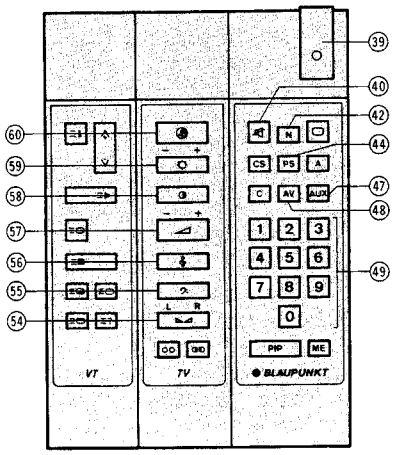
For the program sites for video recorders, you first press the **AV** ㊽ button and then, within 5 seconds, the digital button **0, 1** or **2.**

All program sites **10–57** cannot be switched on in the set as it is delivered. However, if you receive more than 9 TV stations, then these program sites must be made ready to be switched on before the "Programming of TV Stations".

You can program these sites by first pressing the decimal numbered buttons ㊾ and then, within 5 seconds, the numbered button.

Please observe:
When the program sites **10–57** can be switched on, then the program sites **1–9** must be selected using **01**, 02, 03, etc.

For the program sites for video recorders, **AV0, AV1** or **AV2,** you first press the **AV** button ㊽ and then, within **2.5 seconds,** 0, 1 or 2. **A0, A1** or **A2** will then appear in the display.



Adjust color saturation
by pressing the button ⑥
– = less, + = more.

Adjust brightness
by pressing the button ☼ ⑤⑨
– = less, + = more.

Adjust contrast
by pressing the button ◑ ⑤⑧
– = less, + = more.

Adjust volume
by pressing the button ◢ ⑤⑦
– = less, + = more.

Adjust treble
by pressing the button 𝄞 ⑤⑥
– = less, + = more.

Adjust bass
by pressing the button ♭ ⑤⑤
– = less, + = more.

Adjust balance by pressing the button ◣◢ ⑤④
L = the left channel is louder
R = the right channel is louder.

Adjustments are shown in the display ⑰.

Standard values for these adjustments have been **stored at the factory.** Picture and sound are set to these values
– after the set has been switched on
– or when you press the N button ④②.
On how to **change these standard values,**
kindly refer to page 35.

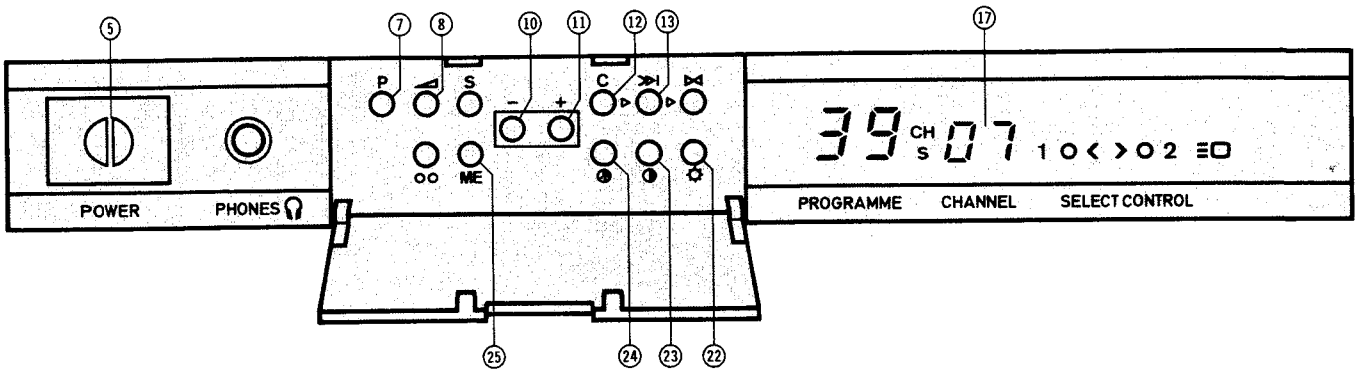
If you want to **turn off the sound,** for example if you wish to make a phone call, you press the button ④⓪ .
By pressing the button again, the sounds is turned back on.

If you want to know which programs are broadcast, start the **program search.**

If you press button **PS** ④④ **once,** the set stops at the first program site. Program search starts again if you press button **PS** ④④ once more.

When you press buttons **AUX** ④⑦ and **PS** ④④ one after the other, the set stops for about 4 sec. on all program sites and then continues on automatically. If you want to watch a certain program, press the appropriate number button ④⑨ to select the program site on which this station has been stored.

Operating the most important functions at the set



Select a program site by pressing the button **P** ⑦ and then, **within 5 seconds,** the + button ⑪ or − button ⑩.
By pressing the + button,
you will switch forward from one program site to the next,
by pressing the − button, you will switch backwards.

Adjust color saturation by pressing
the button ◕ ㉔ and then, **within 5 seconds,**
the + button ⑪ or the − button ⑩.

Adjust brightness by pressing the button ☼ ㉒
and then, **within 5 seconds,** the + button ⑪ or − button ⑩.

Adjust contrast by pressing the button ◑ ㉓
and then, **within 5 seconds,** the + button ⑪ or the − button ⑩.

Adjust volume by pressing the button ◿ ⑧
and then, **within 5 seconds,**
the + button ⑪ for increasing volume,
or the − button ⑩ for reducing volume.

Programming of TV stations

Before you begin to program TV stations, please make sure that you understand the following two points:

When a station has been found that you would like to store,
- **the ME button** must be pressed **within 5 seconds.**

There are a total of 57 program sites for TV stations and 3 program sites for video recorders (AV0, AV1, AV2) available to you.

Only the program sites **1–9** can be switched on directly as the TV set is delivered to you.

If you receive more than 9 programs, the you must make the program sites 10–57 switchable.

To do this, first switch off the TV set with the mains button ⏻ ⑤.

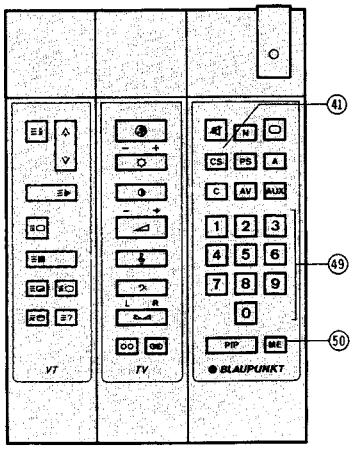
Press and hold down the button **ME** ㉕ and switch the set on again with the mains button ⏻ ⑤.

From now on all program sites can be switched on.

The stations may be programmed in two ways:
- **using the station finder**
- **by direct channel entry (page 34).**

We recommend to use direct channel entry if you know the exact channels on which the local TV stations are being received. If you don't know this, we recommend to use the station finder.

Programming of TV stations using the station finder



Using the digital numbers ㊾, switch to the program site on which you wish to program the first TV station.

If the program sites 10–57 have been made ready for switching on, then you can reach the program sites 1–9 by **first** pressing the **0** and, within 5 seconds, **1** or **2** or **3,** etc.

Start the station finder by pressing the **CS** button ㊶ on the remote control unit. The station finder automatically searches all channels for stations. The channels are indicated on the indicator ⑰.

The station finder continues through **CH99** and then scans **S1** to **S41,** and then resumes at **CH01.**

The station finder stops every time it has found a station. If you want to continue, press the **CS** ㊶ again until you have found the desired station.

If you want to **program a station,** then press the button **ME** ㊿ within 5 seconds.

An automatic tuning facility normally adjusts the TV stations which are found by the station finder **to an optimum.** When reception is poor, you may readjust the setting by means of fine tuning. (On how to do this, kindly refer to page 35).

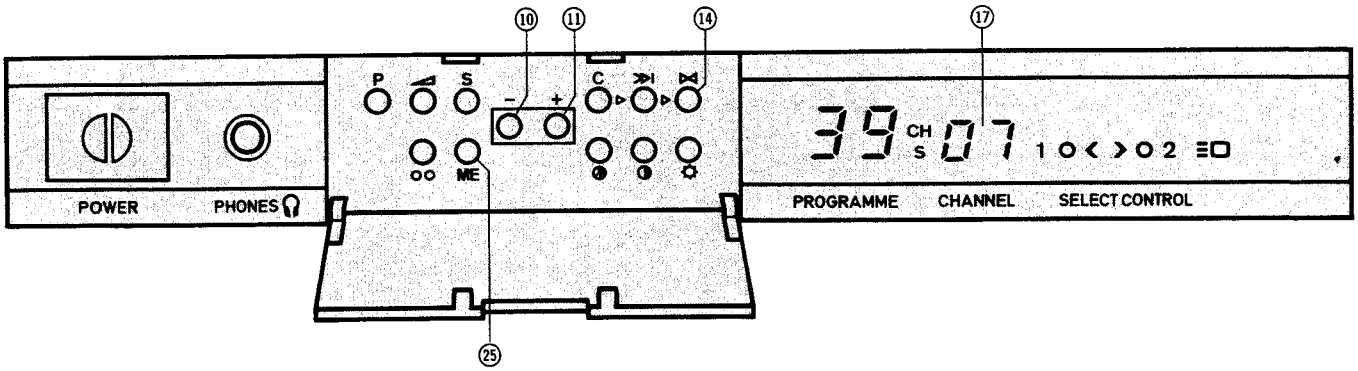
The station finder can also be started on the operating panel of the set.

Press the preselection button **C** ⑫ and the start the station finder with the button ≫I ⑬.

The station finder stops each time a station is found. If you wish to continue, press the button ≫I ⑬ again.

When you have found the correct station, program it by pressing the button **ME** ㉕.

Programming of TV stations using direct channel entry



Before starting, please note the following:
After the channel has been entered,
- the **ME button** must be pressed **within 5 seconds.**

There are channels between **1** and **99** and there are special channels **S1, S2, S3,** etc. The special channels are only in TV cable systems.
The channels are entered differently.

Switch to the program site using the digital buttons ㊾ in order to program the first TV station.

If you can switch on the program sites 10–57, then you can switch to the program sites 1–9 by **first** pressing **0** and, within 5 seconds, **1, 2** or **3,** etc.

Channels 1 to 99

Press the button **C**㊻ **once.** Two lines appear in the indicator ⑰. Next to them you see **CH.** Now enter the channel with the digital buttons ㊾. The channel number is always given in two digits.
Example: For channel 8 enter 0 and 8.
08 is shown on the indicator ⑰.

Within 5 seconds, press the button **ME** ㊿.
Then the station is programmed.

Special channels S1, S2, S3 . . .
Press button **C** ㊻ **twice.** Two lines appear in the display ⑰, below the letter **S.**
Enter the channel number by pressing the appropriate digital buttons ㊾. Always use two numbers for channel entry.
Example: For channel 8 enter 0 and 8.
The display ⑰ indicates 08.

You should then **press the ME button** ㊿ **within 5 seconds.** The TV station is now programmed.

If you make a **mistake** in **programming** a channel, or if do **not complete** it **in 5 seconds,** you should repeat the procedure, i.e. you press the **C** button ㊻ again, and so on.

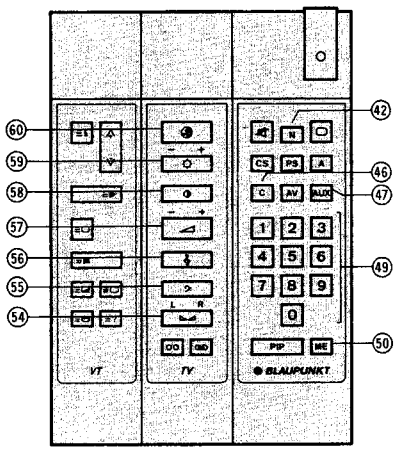
Fine tuning of stations

An **automatic tuning facility** normally adjusts the TV stations to an optimum.

If **reception is poor,** you may **readjust the setting** in order to improve the picture.

Press the button ⋈ ⑭ shortly, and then the + button ⑪ for several seconds. If the picture is not improved, you should press the – button ⑩ until you receive the best picture. After having obtained the optimum adjustment, you should press the **ME** button ㉕ within 5 seconds. The adjusted fine tuning is now stored.

Adjusting standard values of picture and sound



You may adjust and store all standard values for
color intensity, brightness,
contrast, volume,
treble, bass,
balance
with which picture and color appear after the set is switched on.

Switch to a program site of your choice and adjust picture and sound to your satisfaction. Within **5 seconds** after the last adjustment press first button **AUX** ㊼ and then the button **N** ㊷.

The new standard values are now stored.

Use the following buttons for adjustment:

button	⑥⓪	for color intensity
button	☼ ⑤⑨	for brightness
button	◑ ⑤⑧	for contrast
button	◢ ⑤⑦	for volume
button	𝄞 ⑤⑥	for treble
button	⑤⑤	for bass
button	◣ ⑤④	for balance

Video recorder playback via the antenna jack

In order to operate a video recorder via the antenna jack, the TV set must be switched to the channel used by the video recorder.

Most video recorders use **channel 36.**
Please refer to the operating instructions of your video recorder.

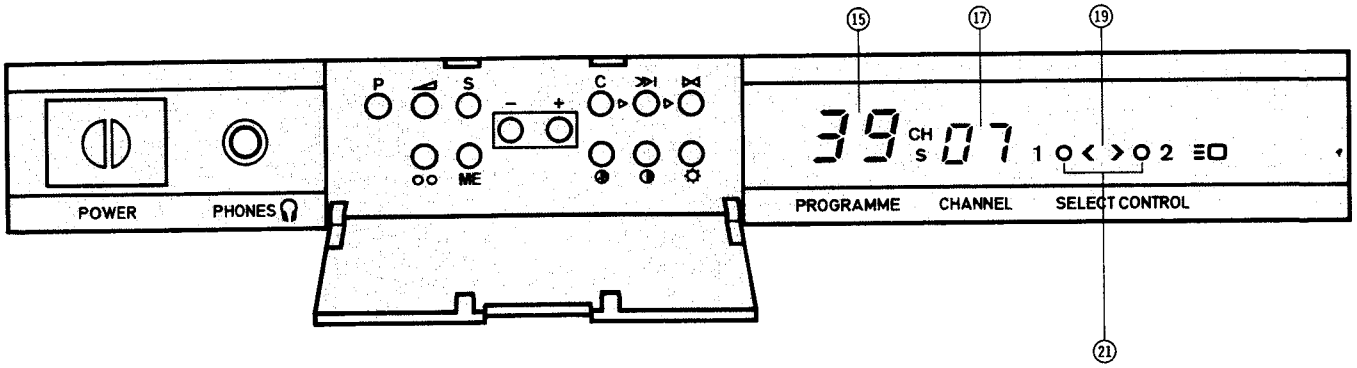
Your TV set is fitted with two program sites for video recorder, AV1 and AV2.
One of these program sites must now be switched to the channel of the video recorder.

Press button **AV** ㊽ and then digital button **1** or **2** ㊾.
A1 or A2 appears in the display ⑮.

Press button **C** ㊻ once. Two horizontal lines appear in the display ⑰. Now enter the channel number by pressing the appropriate digital buttons, and press button **ME** ㊿.
The video channel is now stored on the program site.

For playback from the video recorder you should always switch to this program site.

Video recorder playback via the Euro-AV jack



You may also connect a video recorder to the Euro-AV jack, provided that the set is fitted with connections for audio and video signals.

Kindly ask your dealer which cable is necessary to connect this TV set to your video recorder.

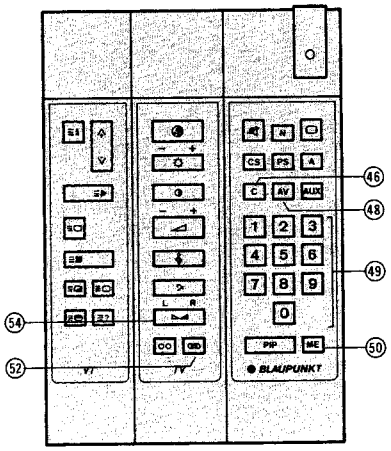
For playback via the Euro-AV jack, switch to program site AV0.

Press button AV ㊽ and then digital button 0 ㊾.
The display indicates A0.

Switch-over is made automatically if, during playback, the video recorder supplies a switching voltage to terminal 8 of the Euro-AV jack (see description of terminals on page 25).

Stereo and two-channel sound

Programs broadcast in stereo sound



This set is equipped to receive programs broadcast in stereo sound and in two-channel sound.

While stereo sound is well known, two-channel sound is not yet widely known.

Two completely different kinds of information may be broadcast in two-channel sound, e.g. a second language during a movie.

When you switch to a program that is broadcast in stereo sound, both indicators ㉑ light up.

Balance
In order to obtain optimum stereo reproduction, the volume of both channels should be about the same.

If this is not the case, press the ◣◢ button ㊹.
L button: the left channel becomes louder,
R button: the right channel becomes louder.

This change is displayed by numbers from – 9 via 0 to 9.

Basic width
If you press the button ◀▶ ㊷ , this will have the same effect as if you had placed the speaker boxes of your stereo system farther apart.

The indicator ⑲ lights up.

By pressing the button ◀▶ ㊷ again, you deactivate this function.

Programs broadcast in two-channel sound

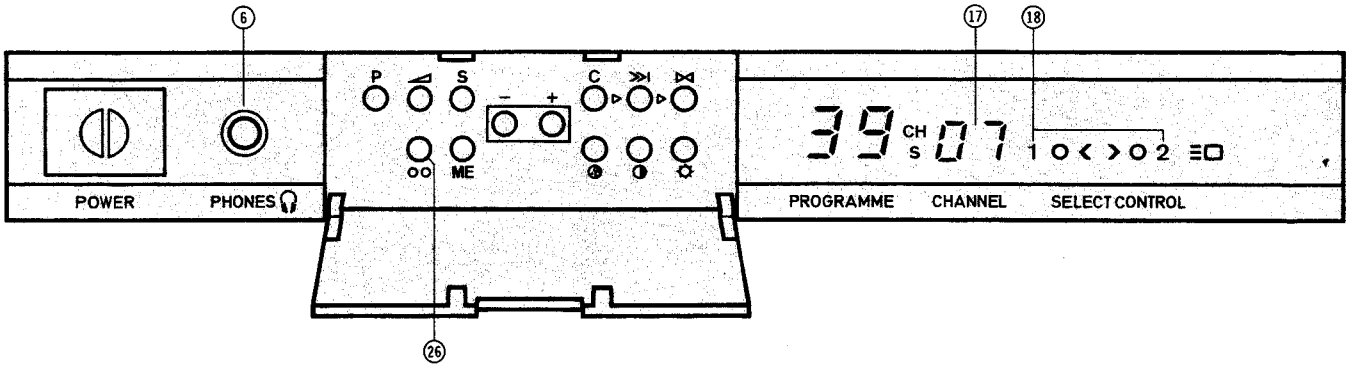
When you switch to a program which is broadcast in two-channel sound, the digit 1 appears in the display ⑱.

This means that you listen to the sound which is broadcast on channel 1.

If you wish to hear the sound of channel 2, press button ○○ ㉖ or ㊸.
The number 2 lights up in the display ⑱.

You may switch back to channel 1 by pressing the button ○○ ㉖㊸ once again.

Loudspeaker jack

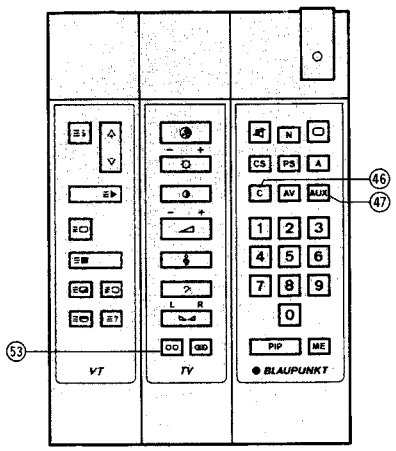


On the front of your TV set, you will find a jack ⑥ for stereo headphones.
The headphones must be equipped with a phone plug with a diameter off 6.3 mm.
Their impedance should be at least 4 . . . 300 Ω.

When the phone plug is inserted into the jack, the TV loudspeakers are turned off.

The volume of the headphones which are connected to this jack may be adjusted on the remote control.

"Sleep timer" function



The "Sleep Timer" functions permits to switch off the TV set automatically after **30, 60** or **90** minutes.

Programming:
First press button **C** ⑯.
Two horizontal lines light up in the display ⑰.

Determine the appropriate period by pressing button **AUX** ⑰.
The display ⑲ indicates this.

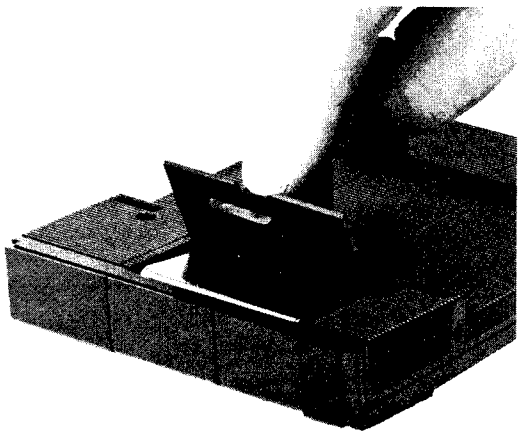
Press once: 00
Press twice: 30 min.
Press 3 times: 60 min.
Press 4 times: 90 min.
Press 5 times: back to 0.

Having determined the period,
the display again indicates the channel.

The TV set now continues to operate until the programmed period has expired.

Remaining time display
Press first button **C** ⑯, and then button **AUX** ⑰.
The remaining time is displayed for 5 seconds.

What do do if . . .



The range of your remote control decreases.
The battery will have to be replaced.
Use a 9 V battery of the IEC 6 F 22 type.

Color spots appear:
These may be caused by external magnetic influences or by turning the set while it is switched on.
– Turn off the TV set for about 10 minutes by pressing the On/Off switch.
The built-in demagnetising facility will remove the color spots.

A bright horizontal stripe appears instead of a color picture:
– Turn off the TV set at once and inform your dealer.

Liquid has been poured over the set:
– Pull the plug immediately out of the wall socket.

The cabinet or the back cover has been damaged:
– Pull the plug immediately out of the wall socket.

Troubleshooter

During tape playback via the Euro-AV jack, Ao appears in the display instead of A0, and the picture might be somewhat distorted at the upper edge.

Cause:
The function that equalizes wow and flutter of the video recorder inside the TV set is switched off.

Remedy:
Press button **ME.**
The display indicates A0 again.

Cleaning and care

To clean the cabinet, please use a moist cloth only.

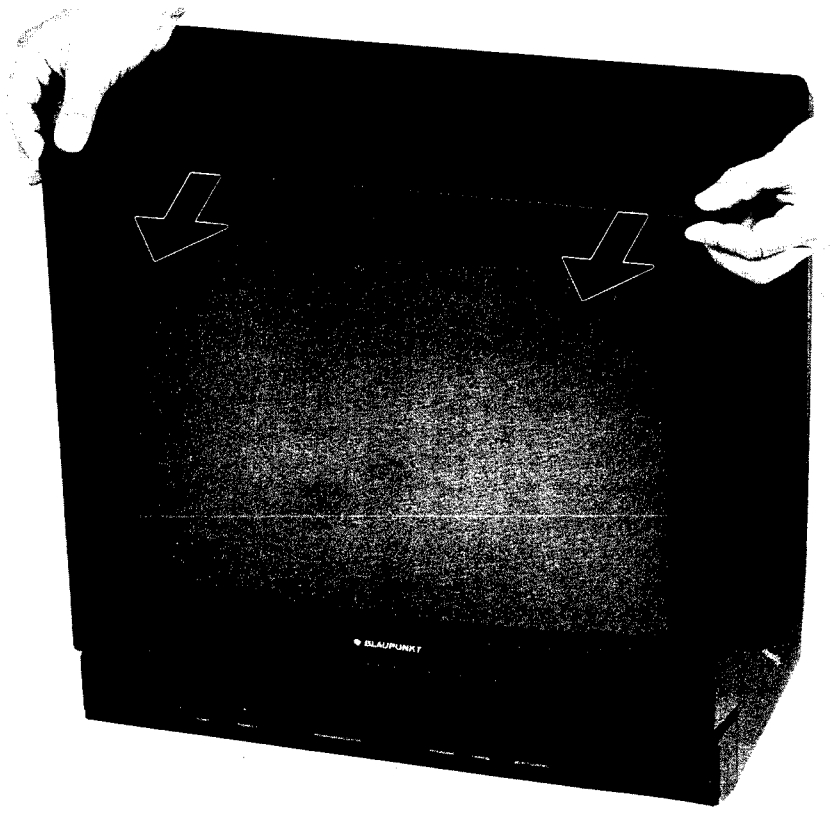
Do not use any aggressive cleaners.

Please use a moist chamois cloth for the screen as well as for sets with contrast filter panel.

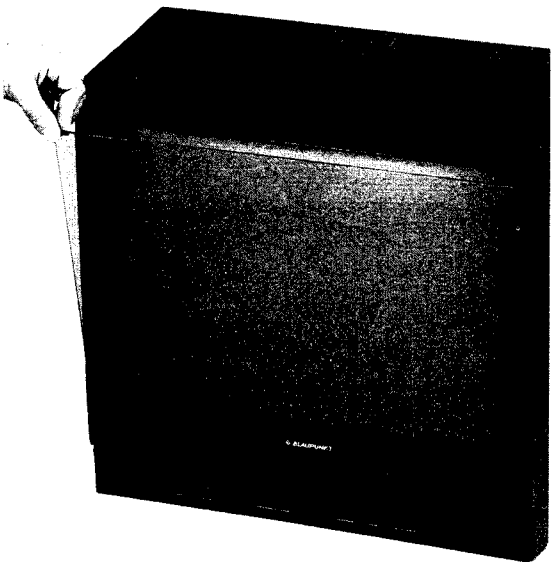
In case you also want to clean the screen of these sets, you have to remove the contrast filter panel.

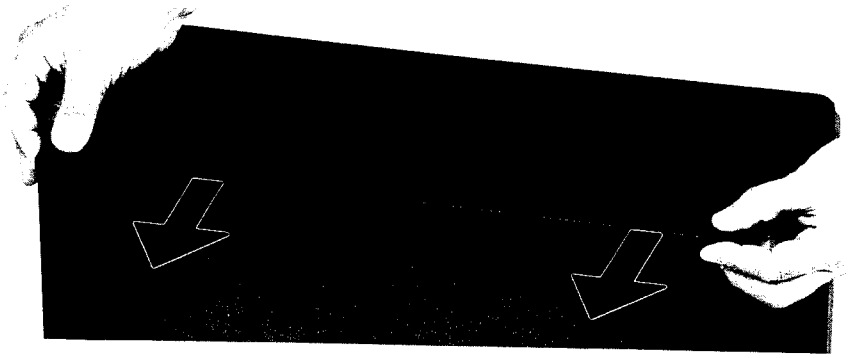
Please proceed according to the illustrations on pages 122 and 123.

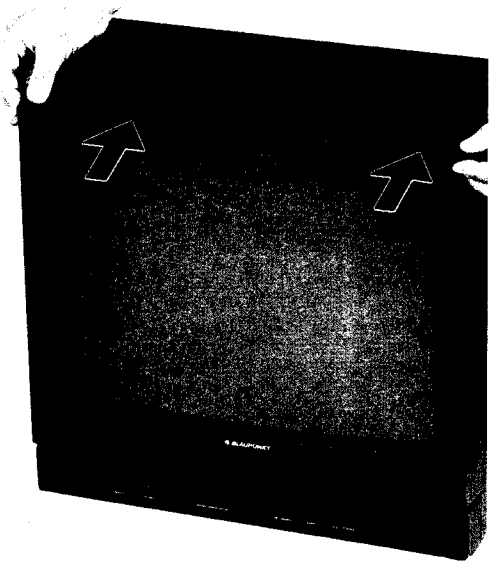
Removal of contrast panel



Placing of contrast panel







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25 321 - 941.01

Printed by: Schaltungsdienst Lange, Berlin (Germany)